

**NOTICE TO BIDDERS AND SPECIFICATIONS**

**HARRISON COUNTY BOARD OF SUPERVISORS**

**TERM BIDS FOR PERIOD JULY 7, 2020 THROUGH JUNE 30, 2021**

**FOR THE FOLLOWING ANNUAL TERM BID GROUP:**

**10-7A Asphalt - Hot Plant Mix Pick-Up & In Place any Location**

**BID #T10-3-4-7A-2020-2021**

**HARRISON COUNTY BOARD OF SUPERVISORS**

**May 12, 2020**

1. The Harrison County Board of Supervisors, Gulfport, Mississippi will accept bids by an Electronic Reverse Auction as follows:

**Bid Group 10-7A Asphalt - Hot Plant Mix Pick-Up & In Place any Location**

Asphalt – Hot Plant Mix Pick-Up: **BID DATE and TIME: Tuesday, June 30, 2020, 8:30AM**

Asphalt – In-Place any Location: **BID DATE and TIME: Wednesday, July 1, 2020, 8:30AM**

at the Board Conference Room, First Judicial Courthouse, 1801 23rd Avenue, Gulfport, Mississippi 39501 for the following Term Bids for the period beginning July 7, 2020 through June 30, 2021. Term Bids for this period will consist of supplying and delivering the following GROUP 10-7A Asphalt - Hot Plant Mix Pick-Up & In Place any Location.

2. The Harrison County Board of Supervisors reserves the right to postpone the date for opening of bids and will give written, electronic, or telegraphic notice of any such postponement to each prospective bidder.
3. This bidding event has dates and times as detailed in line item no. 1. Bids will only be accepted in an Electronic Reverse Auction Bid Process hosted by Central Bidding (Central Auction House) and the Supplier will be required to register with Central Bidding at [www.centralbidding.com](http://www.centralbidding.com) to participate in this Electronic Reverse Auction Bidding Process. For any questions relating to the electronic submittals and/or bidding process, please call Central Bidding at 225-810-4814.
4. Bids will be taken in accordance with the Specifications and Procedures available either with the Harrison County Purchasing Department in the First Judicial District Courthouse located at 1801 23rd Avenue, Gulfport, Mississippi 39501, or by downloading at the Central Bidding website at, [www.centralbidding.com](http://www.centralbidding.com). For any questions relating to the electronic submittals and/or bidding process, please call Central Bidding at 225-810-4814.
5. Project: Term Bid for the period beginning July 7, 2020 through June 30, 2021. Term Bid for this period will consist of supplying materials and delivering as specified to Harrison County locations in the following: GROUP 10-7A Asphalt - Hot Plant Mix Pick-Up & In Place any Location.
6. **BID CALENDAR:**

- Publish Dates: Friday, May 15, 2020 and Friday May 22, 2020

- Un-Priced Bid Qualification Specifications Due: Wednesday, June 3, 2020, 10:30 A.M.

- Notification of Invitation to Bid, on or before: Tuesday, June 9, 2020

- ● Live Reverse Auction Bidding Begins:

Asphalt – Hot Plant Mix Pick-Up: **BID DATE and TIME: Tuesday, June 30, 2020, 8:30AM**

Asphalt – In-Place any Location: **BID DATE and TIME: Wednesday, July 1, 2020, 8:30AM**

7. **Method of Bidding:**

- A. Bids will only be accepted by bidding in this Electronic Reverse Auction Bid Event hosted by Central Bidding. The bidder must register at [www.centralbidding.com](http://www.centralbidding.com) to participate in this Electronic Reverse Auction Bid Process. For any questions relating to the electronic downloads, submittals, bidding process, and Anti-Sniping please call Central Bidding at 225-810-4814.
  - **BID TIME FOR EACH BID IS FIFTEEN (15) MINUTES.**
  - **ANTI-SNIPING WILL BE ENGAGED WITH FIVE (5) MINUTE EXTENSIONS.**
  - **The ANTI-SNIPE time prevents a bidder from trying to place a bid at the last second, to "beat the clock". If a bid is placed within the anti-snipe time period before the listed closing of said time period, the closing is extended by the anti-snipe time. Any further bids reset the clock again with this amount remaining.**

B. Suppliers must return a complete response package for the bid group and indicate the items bidding in along with all other required documents. All documents must be completed and any alternate to the product or material must be indicated in writing. No pricing is to be included in the response package and if submitted with pricing the Supplier will be disqualified from the bid.

8. **All Sealed “Un-Priced Qualification Specifications”** must be on file with the Clerk of the Board prior to or by the acceptance date and time as listed on page 2, item No. 6 “BID CALENDAR”. All Sealed Un-priced Qualification Specifications be sealed and clearly marked on the outside of the envelope as indicated TERM BID FOR PERIOD JULY 7, 2020 THROUGH JUNE 30, 2021 FOR THE FOLLOWING GROUP 10.7A Asphalt – Hot Plant Mix Pic-Up & In Place any Location, BID #T10-3-4-7A-2020-2021. “Sealed Un-Priced Qualification Specifications” envelopes not so marked are submitted at the risk of the prospective Bidder and the County assumes no responsibility for the premature opening of same by any County employee. All Sealed “Un-Priced Qualification Specifications” sent through the U.S. Mail are done so at the risk of the Prospective bidder and should be addressed to the Harrison County Board of Supervisors, in care of the Chancery Clerks Office, Post Office Drawer CC, Gulfport, Mississippi, 39502. The County is NOT responsible for Un-Priced Qualification Specifications that arrive in the mail after the designated opening time. Un-Priced Qualification Specifications may be delivered in person to the Harrison County Chancery Clerk’s Office in the First Judicial District Courthouse located at 1801 23<sup>rd</sup> Ave, Gulfport, Mississippi until 5:00 p.m., on Tuesday, June 2, 2020 or the Board of Supervisor’s **Conference Room** at the First Judicial District Courthouse in Gulfport, Mississippi on Wednesday, June 3, 2020 by the accepting time as listed on page 2, item No. 6 “BID CALENDAR”.

**All Electronic “Un-Priced Qualification Specifications”** may be scanned and submitted electronically at [www.centralbidding.com](http://www.centralbidding.com) no later than Wednesday, June 3, 2020 **BEFORE** the accepting time as listed on page 2, item No. 6 “BID CALENDAR”. For any questions relating to the electronic submittals and/or bidding process, please call Central Bidding at 225-810-4814.

9. **DO NOT SUBMIT BID PRICING WITH YOUR SPECIFICATION RESPONSE PACKAGE.**

Submit Specification Responses as stated above in line 8, and marked as follows:

**SPECIFICATIONS: Harrison County Board of Supervisors Term Bids 2020-2021 FOR GROUP 10-7A Asphalt - Hot Plant Mix Pick Up & Asphalt - In Place any Location, BID #T10-3-4-7A-2020-2021.**

1. **Group 10-7A Asphalt - Hot Plant Mix & Asphalt In Place an Location**  
**Bid # T10-3-4-7A-04162020-930.**
2. **FIRM NAME :** \_\_\_\_\_ **BY:** \_\_\_\_\_
3. **Mailing Address:** \_\_\_\_\_
4. **City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_
5. **Phone:** \_\_\_\_\_ **Fax #:** \_\_\_\_\_
6. **Date :** \_\_\_\_\_ **Email Address:** \_\_\_\_\_

10. **Specification Documents: All Suppliers/Vendors will be required and must complete All written material as stated and indicate when requested to provide detailed information in regards to delivery location or plant pick-up and must meet the minimum requirements as requested in the specifications to include full material description, and submitted with the Specification Responses due no later than Wednesday, June 3, 2020, 10:30 A.M. CDT. Any Suppliers not submitting as requested in a specific group and item may be excluded from this bid.**

A. Supplier to Submit with specification responses:

1. Completed specification sheet pages for the group indicating all items they are going to bid in that group and brand name, if applicable, or certification if requested on the material provided, where required. Alternate to any item as specified must be in writing.
  2. AFFIDAVIT: The non-collusion affidavit must be completed and included in the specification response package.
- B. THE HARRISON COUNTY BOARD OF SUPERVISORS reserves the right to reject any part, or all bids.
- C. No Specification Response will be accepted, opened, or considered unless the above information is given as specified.
- 11. Project Contact: The Contact for the project is Jody Webster, Purchasing Clerk, Harrison County Purchasing Department. Contact information is located below in item #12. Suppliers/Vendors will need to contact him in regards to any questions regarding the specifications and delivery requirements. Any questions regarding the Electronic Reverse Auction Bid Process, please contact Central Bidding at 225-810-4814.**
- 12. CONTACT INFORMATION: Suppliers having questions in regards to the specifications, delivery requirements, or any item of the specifications for this bid, please contact the Project Contact. All inquiries and responses shall be in writing.**

**Jody Webster, Purchasing Clerk  
Harrison County Purchasing Department  
Harrison County Board of Supervisors  
1801 23<sup>RD</sup> AVENUE  
GULFPORT, MISSISSIPPI 39501  
Phone: 228-865-4028  
Email: [jmwebster@co.harrison.ms.us](mailto:jmwebster@co.harrison.ms.us)**

**13. ADDENDA AND INTERPRETATIONS:**

- a. Should a bidder find any discrepancies in, or omissions from, the Specifications or should be in doubt as to their written meaning, he should at once notify the Harrison County Purchase Clerk, who will send a written instruction or interpretation to known holders of the documents. The Harrison County Board of Supervisors will not be responsible for any oral instructions.
- b. Addenda to Specifications that may be issued before or during the time of bidding shall be included in the Bid and will become a part of the awarded Contract.
- c. Laws and Regulations: The bidder's attention is directed to the fact that all applicable State laws, Municipal ordinances, and the rules and regulations of all authorities having jurisdiction over the project shall apply to the Contract throughout, and they will be deemed to be included in the contract the same as though herein written out in full. If the agency is closed for any reason, including but not limited to: acts of God, strikes, lockouts, riots, acts of war, epidemics, governmental regulations superimposed after the fact, fire, earthquakes, floods, or other natural disasters (the "Force Majeure Events"), which closure prevents the acceptance, opening of Sealed or Electronic bids, or the live Reverse Auction at the advertised date and time, all bids and/or Unpriced Bid Specifications and Procedures shall be received on the next business day that the agency shall be open and at the previously advertised time.  
All reverse auctions shall begin on the next business day that the agency shall be open and at the previously advertised time. **The agency shall not be held responsible for the receipt**

of any bids for which the delivery was attempted and failed due to the closure of the agency as a result of a Force Majeure Event. Each Vendor/Contractor shall be required to ensure the delivery and receipt of its Sealed and/or Electronic bid by the agency prior to the new date and time of the bid opening.

14. **Non-Collusion Affidavit:** Supplier/Vendor must complete the non-collusion affidavit included in this specification packet and submit same as part of his bid. **FAILURE TO DO SO WILL DISQUALIFY YOU FROM THIS BID.**
15. **Qualifications of Bidders:** The Owner may make such investigations, as he deems necessary to determine the ability of the Bidder to perform throughout the term of the contract for delivery of goods and materials according to the specifications and will pick an alternate Vendor/Supplier on each item to insure full compliance of the contract. The Supplier/Vendor shall furnish to the Owner such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any Bid if the evidence submitted by or investigation of such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the items of contract contemplated therein.
16. **Contract Award:** Unless all Bids are rejected, Harrison County Board of Supervisors will award the Contract to the lowest and best, responsive, responsible bidder and an alternate in accordance with State and Federal laws and regulations and in accordance with requirements of The Harrison County Board of Supervisors. The award, if made, shall be within ninety (90) days of date of receipt of Bids.
17. **Issuance of Award:** If the Contract is awarded, the Owner will issue an award letter within ninety (90) days from the date of bids or after presented and approved by the Harrison County Board of Supervisors.

## **AFFIDAVIT**

STATE OF MISSISSIPPI

COUNTY OF \_\_\_\_\_

I, \_\_\_\_\_  
(Name of person signing affidavit)

Individually, and in my capacity as \_\_\_\_\_  
(Title)

Of \_\_\_\_\_ being duly sworn, on oath do depose and say as follows:  
(Name of firm, partnership or corp.)

That \_\_\_\_\_, Bidder on the Term Bids for the period of July 7, 2020 - June 30, 2021 for supplying and delivering the following: Group 10-7A Asphalt - Hot Plant Mix Pick Up & Asphalt - In Place any Location.

(a) FOR THE HARRISON COUNTY BOARD OF SUPERVISORS, GULFPORT, MISSISSIPPI has not either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this contract; nor have any of its officers, partners, employees or principal owners.

(b) Further, that neither said legal entity nor any of its directors, officers, partners, principal owners or managerial employees are currently debarred from bidding on public contracts by the State of Mississippi or any of its agencies; or by one or more of the other states or any of their agencies; or by any Federal agency.

**Signature** \_\_\_\_\_

Title \_\_\_\_\_

(SEAL)

Sworn before me this \_\_\_\_ day of \_\_\_\_\_, 2020.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

**NOTE: FAILURE TO PROPERLY SIGN AND NOTARIZE THIS AFFIDAVIT WILL DISQUALIFY THE BID.**

**AFFIDAVIT**

## **Detailed Specifications and Groups**

- 1) All Specifications shall be answered and any alternates or exceptions shall be made on the forms provided within the specifications and submitted with the specification responses along with Interlineations, alterations, erasures or changes of whatever kind and must be initialed by the BIDDER. All warranties, brochures, estimated delivery dates, and alternate items must be clearly indicated and attached. No oral, telephonic or telegraphic bids will be considered.
- 2) These Specifications are not intended to exclude any Manufacturer or Supplier, are intended only to establish acceptable standards, and are not intended to limit the bidding.
- 3) CONTRACT: Each Group will be awarded on the lowest and best valued price submitted by the Suppliers with an alternate for each group. The term of the Contract will be from July 7, 2020 thru June 30, 2021. Suppliers must include in the Specification Response, **If Supplier is going to supply an alternate they must submit the alternate by line item in writing with Specification Responses, along with all the requirements as stated in items listed in pages 2-19.**
- 4) All items must exceed or match specifications listed below in each product and must be comparable with or equivalent to the specifications issued by the Harrison County Board of Supervisors. Any alternates listed for each product will be considered along with other considerations of the bid.
- 5) All Materials are to be delivered to the specified address as stated in each group or specific list of items as stated in the specifications and will include all freight to each location unless specified to be delivered to project site and specified in the individual product specifications. All freight charges are included in the bid price. All prices bid will be guaranteed delivered prices except Sales and Federal Excise Taxes.
- 6) Any items that have an estimated usage are based on previous year's usage and shall be priced according to the term of the contract period for one year only. This usage is not a guaranteed usage number and should not be considered high or low where an estimated usage number has been furnished. The usage may increase or decrease and the final bid price established from the awarded bid price will remain throughout the term of this contract.

Gentlemen:

Pursuant to your advertisement, for Term Bids #T10-3-4-7A-2020-2021, Group 10-7A Asphalt - Hot Plant Mix Pick-Up & Asphalt In Place any Location for the term of July 7, 2020 - June 30, 2021 we submit the following response.

\_\_\_\_\_ located at  
(NAME OF VENDOR)  
\_\_\_\_\_ do hereby submit this our proposal for furnishing, as ordered by the County, as set out below, **ASPHALT – HOT PLANT MIX PICK-UP, ASPHALT – IN PLACE ANY LOCATION** for a period beginning July 7, 2020 and ending June 30, 2021 and/or until a new contract is accepted. Harrison County Board of Supervisors has a right to renew or extend this Contract for another Term with written notice of Sixty (60) days before expiration date.

**SPECIFICATIONS & INSTRUCTIONS:**

**DETAILED SPECIFICATION SHEET FOR GROUP 10-7A Asphalt - Hot Plant Mix Pick Up & Asphalt In Place any Location**

**SECTION I DESCRIPTION:**

Hot Bituminous Pavement, (ASPHALT IN PLACE) for application on previously prepared base course and overlay.

**PRODUCT TYPE SC-1 ASPHALT IN PLACE, ANY LOCATION IN HARRISON COUNTY**

- 1) This work shall consist of all labor, materials, equipment and incidentals needed to construct bituminous surface courses in accordance with these specifications to include driveways, roads, parking areas or other projects at various locations throughout Harrison County, as Directed by the Road Manager or his designated representative.
- 2) Individual Purchase Orders will be issued for each section of paving. Work on each Purchase Order shall begin within five (5) working days after issuance, unless an extension is granted by the Road Manager.
- 3) Should the amount of work requested exceed the capacity of one work crew, additional crews shall be added to accommodate the requirements of the owner. A maximum of seven (7) days' notice will be given to schedule and mobilized additional crews to meet the demand. Failure to comply with this requirement may be reason to terminate the contract.
- 4) It is understood that it shall be the contractor's responsibility for traffic control at work sites.
- 5) It shall be the contractor's responsibility for quality control, testing asphalt to verify material meets specifications, providing the County with test reports and provide the County and or their designated testing company with corresponding samples of asphalt for random sampling to a private laboratory. Approved supplier shall be responsible for all costs associated with testing of the mix design. If Harrison County selects to have an independent test performed, the County shall be responsible for said costs.
- 6) Tickets from certified scales shall be issued for each load from bidder's plant. Scale tickets shall be signed by a representative of the Harrison County Road or Engineering Departments.
- 7) It is understood that paving construction orders include water sprinkling as required.
- 8) Hot Bituminous pavement mixes, SC-1, shall be mixed in accordance with Section 901-S-401, Section UTAP 411, MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION, 2004 or current edition as follows.
  - A. Plant mix pavements General Section 401



- B. ST 19 mm Base Course Section 401
- C. ST 12.5 mm Binder Course Section 401
- D. ST 9.5 mm Surface Course Section 401
- E. ST 4.75 mm Surface Course Section 401
- F. Ultra-Thin Asphalt Pavement (UTAP) Section 411
- G. Tack coat Section 407
- H. Tack Coat – Emulsified asphalt shall meet Section S-707.07, Conference requirements of Section 702, State Aid Standard Specifications, 2004 edition.
- I. Hot Bituminous Pavement – Conform to Special Provision 901-S-402-2, State Aid Standard Specifications, 2004 edition except that the Petroleum Asphalt Cement used in all mixtures shall be Grade PG 67-22 or equal.
- J. All hot bituminous mixtures shall conform to the requirements set out in subsection S-703.06, State Aid Standard Specifications, 2004 edition for a SC-1 mix using tables found in Special Provision 901-S-401.

**Sections 1 through 7 will be referred to as HMA throughout the rest of this section.**

- 9) The term "course" used in the Section shall be understood to mean a layer of specified thickness shown on the plans and for which quantities are estimated on the plans and in the proposal as the basis for bidding. A course may, in some cases consist of a single layer, and in other cases, may consist of two or more layers depending on the finished thickness specified.
- 10) Quality Assurance Testing will be provided by the Supplier to insure all testing frequency and sampling is in accordance with these specifications. Approved supplier shall submit a design mix for testing prior to the beginning of any work or as instructed by the County's Road Manager, County Engineer or their designated representative. Approved supplier shall be responsible for all costs associated with the testing of the asphalt mix and to provide Harrison County with a copy of the test report. Harrison County reserves the right not to make payment for asphalt until said test reports have been provided and results verify the material meets specifications.

## **SECTION II HMA COURSE:**

- 1) General: Where indicated on the Drawings this work shall consist of the construction of an HMA course in one or more layers composed of mineral aggregates mixed in a central mixing plant with bituminous materials in the proportions specified and placed hot. The HMA course shall be constructed on a prepared sub grade foundation or existing HMA course in accordance with these specifications and in close conformity with the thickness, lines, grades, and sections as shown on the plans.
- 2) The HMA course shall comply with Section 401 and/ or 411, Hot Mix Asphalt (HMA) - General, of the Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition.
- 3) The Contractor shall have his testing lab furnish to the Engineer a job mix formula for the project for approval before placing any material. The job mix formula shall have design data included proving that the design criteria can be met.
- 4) The job mix formula shall be set within the master range as indicated below. The job mix formula shall be maintained within the job mix tolerance and shall not exceed the limits of range.
  - A. The job mix formula as approved shall be considered as tentative until a sufficient amount of the mixture has been processed through the plant, spread, and compacted.
  - B. After the job mix formula is approved, the mixture furnished to the project shall remain unchanged, within the tolerances specified for the mixture, throughout the duration of the job. No change in properties or proportions of any ingredient of the mix shall be made without written permission of the Engineer.

- 5) Coarse Aggregate Blend. Mechanically fractured faces by weight of the combined mineral aggregate coarser than the No 4 sieve see Table 1.

<b>TABLE 1</b>	
<b>Mixture</b>	<b>PERCENT FRACTURED FACES, MINIMUM</b>
<b>25 mm</b>	<b>70 (one face)</b>
<b>19 mm*</b>	<b>80 (one face)</b>
<b>12.5 mm</b>	<b>90 (two face)</b>
<b>9.5 mm</b>	<b>90 (two face)</b>
<b>4.75 mm</b>	<b>90 (two-face)</b>

- 6) Fine Aggregate Blend. Of all the material passing the No. 8 sieve and retained on the No. 200 sieve, not more than 60 percent shall pass the No. 30 sieve.
- 7) Uncrushed natural sand shall pass the 3/8" sieve and may be used excluding the content in RAP, in the percentages of the total mineral aggregate by weight set out in Table 2.

<b>TABLE #2</b>			
<b>Mixture</b>	<b>Maximum Percentage of Natural Sand by Total Weight of Mineral Aggregate</b>		
	<b>HT</b>	<b>MT</b>	<b>ST</b>
<b>25 mm</b>	<b>10</b>	<b>10</b>	<b>20</b>
<b>19 mm</b>	<b>10</b>	<b>10</b>	<b>20</b>
<b>12.5 mm</b>	<b>10</b>	<b>10</b>	<b>20</b>
<b>9.5 mm</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>4.75 mm</b>	<b>25</b>	<b>30</b>	<b>35</b>

- 8) The gradation of the mixture shall meet the following Design Master range requirements listed in Table 3.

**Design Master Range Table # 3**

Mixture:	25 mm	19 mm	12.5 mm	9.5 mm	4.75 mm
Nominal Maximum	1 inch	3/4 inch	1/2 inch	3/8 inch	1/4 inch
Sieve Size:					
Sieve Size	Percent Passing				
1-1/2 inch	100				
1 inch	90-100	100			
3/4 inch	89 max.	90-100	100		
1/2 inch	-	89 max.	90-100	100	100
3/8 inch	-	-	89 max.	90-100	95-100
No. 4	-	-	-	89 max.	90-100
No. 8	16-50	18-55	20-60	22-70	-
No. 16	-	-	-	-	30-60
No. 200	4.0-9.0	4.0-9.0	4.0-9.0	4.0-9.0	6.0-12.0

- 9) Bituminous Materials shall be petroleum asphalt cement grade, unless otherwise specified and meet the applicable requirements of Section 702 for the grade specified.
- 10) Aggregate sources shall meet the applicable requirements of Section 703.
- 11) Hydrated Lime shall meet the requirements of Subsection 714.03.2 of the Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition.
- 12) Mineral Filler shall meet requirements of Section 703.16 of the Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition. Mineral Filler may be used as necessary to obtain desired properties; however, excessive use shall not be permitted in the mix.
- 13) Weather Limitations: The mixture shall not be placed when the weather conditions prevent the proper handling and finishing or the surface on which it is to be placed is wet or frozen. At the time of placement, the air and pavement surface temperature limitations shall be equal to or exceed that specified in the Table 2. When paving operations are discontinued because of rain, the mixture in transit shall be protected until the rain ceases. The surface on which the mixture is to be placed shall be swept to remove as much moisture as possible and the mixture may then be placed subject to removal and replacement at the Contractor's expense if contract requirements are not met.

<b>TABLE # 4</b>	
<b>TEMPERATURE LIMITATIONS</b>	
<b>Compacted Thickness</b>	<b>Temperature</b>
<b>Less than 1 1/2 inches</b>	<b>55 ° F</b>
<b>1 1/2 inches to 2 inches</b>	<b>50 ° F</b>
<b>2 1/4 inches to 3 inches</b>	<b>45 ° F</b>
<b>Greater than 3 inches</b>	<b>40 ° F</b>

- 14) Density: The density requirement for each completed lift on a lot to lot basis from density tests performed shall not be less than 92.0 percent nor more than 96.0 percent of the maximum density based on AASHTO T-209. When borderline results are obtained on density tests, it shall be the Contractor's responsibility to furnish and use the appropriate number, type, and size of rollers as necessary to consistently obtain the required density. When the furnished compactive effort does not produce the required density, The Contractor shall make such approved adjustments as necessary to obtain the required density. Pavement samples obtained for determining density and/or correlation of the nuclear density gauge which have a thickness less than two times the maximum size aggregate permitted by the job-mix formula will not be used as a representative sample
- 15) Smoothness Tolerance shall conform to the designated grade and cross section within the tolerances set forth in Section 401.03.2 page number section 4-7 of the Mississippi Standard Specifications for Road and Bridge Construction, 2004 edition.

### **SECTION III Pre-Rolling:**

Before application of base course, the sub-base shall be pre-rolled as may be required to determine possible presence of underlying soil failures.

### **SECTION IV TACK COAT (Required Full Width):**

- 1) General: This work shall consist of preparing and treating an existing bituminous or concrete surface with bituminous material in accordance with these specifications and in close conformity with the lines shown on the plans or established by the Engineer. A tack coat shall be applied, for the full width of the course to be superimposed on a previously prepared, bonded, and bituminized road surface, or base, or concrete surface, or base. The tack coat may be omitted from a previously primed road when deemed by the Engineer to be unnecessary.
- 2) Tack coat is to be applied between each lift and course of asphalt pavement unless otherwise specified by the Engineer.
- 3) Tack coat shall be applied per the specifications listed in Section 407 of the Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition.
- 4) Separate Payment for tack coat shall be made. Tack coat will be paid for at the contract unit price per gallon, which price shall be full compensation for completing the work.

## **SECTION V CONSTRUCTION:**

- 1) Construction of asphalt pavements shall be in accordance with Paragraphs 401.03.3 through 403.03.13 of the Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition.
- 2) JOINTS: The formation of all joints shall be made in such a manner as to ensure a continuous bond between the courses and obtain the required density. All joints shall have the same texture as other sections of the course and meet the requirements for smoothness and grade.
- 3) The roller shall not pass over the unprotected end of the freshly laid mixture except when necessary to form a transverse joint. When necessary to form a transverse joint, it shall be made by means of placing a bulkhead or by tapering the course. The tampered edge shall be cut to its full depth and width on a straight line to expose a vertical face before placement of the adjacent lane. In both methods, all contact surfaces shall be given a tack coat of bituminous material before placing any fresh mixture against the joint.
- 4) Longitudinal joints which are irregular, damaged, uncompacted, or otherwise defective shall be cut back to expose a clean, sound surface for the full depth of the course. All contact surfaces shall be given a tack coat of bituminous material before placement of any fresh mixture against the joint.
- 5) Paving shall conform to the requirements of Special Provision 901-S-401.1 of the State Aid Standard Specifications, 2004 edition, except that the minimum density required shall be 92 percent, and 403.04 State Aid Standard Specifications, 2004 edition except that Subsection 403.03.5 is not applicable to this project.
- 6) The contractor shall remove all dirt and debris from the existing pavement surface prior to tacking and paving the road. Broom sweeping may be necessary as directed by the Road Manager or his designated representative.
- 7) Harrison County reserves the right to require additional testing on asphalt in place. If Harrison County requires such additional testing, final payment will not be made until core samples have been obtained, tested by the County's contracted laboratory, and said tests results are verified as Conference specifications. All costs associated with core sampling testing services shall be paid by Harrison County.
- 8) Asphalt placing operations shall not be commenced unless the outside air temperature in the shade is 50 degrees and rising. This requirement may be waived at the discretion of the Road Department.

## **SECTION VI GENERAL:**

### **1) Composition of Mixtures:**

- A. Unless otherwise specified or permitted, the HMA shall consist of a uniform mixture of asphalt, aggregate, hydrated lime, and when required necessary to obtain desired properties, anti-stripping agent and/or other materials.

The total amount of crushed limestone aggregate for mixtures, excluding 4.75 mm and UTAP mixtures, when used in the top lift, shall not exceed 50 percent of the total combined aggregate by weight.

Hydrated lime shall be used in all HMA at the rate of one percent (1%) by weight of the total dry aggregate including aggregate in RAP, if used. The aggregate, prior to the addition of the hydrated lime, shall contain sufficient surface moisture.

If necessary, the Contractor shall add moisture to the aggregate according to the procedures set out in Subsection 401.03.2.1.2 of the Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition.

The Contractor shall obtain a shipping ticket for each shipment of hydrated lime. The Contractor shall provide the Engineer with a copy of each shipping ticket from the supplier, including the date, time and weight of hydrated lime shipped and used in hot mix asphalt production. An amount equal to twenty-five percent (25%) of the total value of HMA items performed during the initial estimate period in which the Contractor fails to submit the hydrated lime shipping tickets to the Engineer will be withheld from the Contractor's earned work. Non-conformance with this specification for successive estimate period(s) will result in the total value (100%) of HMA items performed during this period(s) being withheld from the Contractor's earned work. Monies withheld for this non-conformance will be released for payment on the next monthly estimate following the date the submittal of hydrated lime shipping tickets to the Engineer is brought back into compliance with this specification.

Mixtures will require the addition of an anti-stripping agent when the Tensile Strength Ratio (MT-63) and/or Boiling Water Test (MT-59) fail to meet the following criteria listed in Table 5.

<b>TABLE # 5</b>	
<b>Tensile Strength Ratio (TSR - MT-63)</b>	
<b>Wet Strength / Dry Strength</b>	<b>85 Percent minimum</b>
<b>Interior Face Coating</b>	<b>95 Percent minimum</b>
<b>Boiling Water Test (MT-59)</b>	
<b>Particle Coating</b>	<b>95 Percent minimum</b>

Reclaimed asphalt pavement (RAP) materials may be used in the production of HMA in the percentages of the total mix by weight set out in the Table 3.

During HMA production, RAP shall be separated into coarse and fine aggregate stockpiles using 'A' sieve as the break point.

Crushed reclaimed concrete pavement may be used as an aggregate component of all HMA pavements. When crushed reclaimed concrete pavement is used as an aggregate component, controls shall be implemented to prevent segregation. Crushed reclaimed concrete pavement aggregate shall be separated into coarse and fine aggregate stockpiles using the 3/8" or 1/2" sieve as a break point unless otherwise approved by the Engineer in writing.

## **2) Personnel Requirements and Testing Requirements.**

- A. The Contractor shall provide at least one Certified Asphalt Technician-I (CAT-I) full-time during HMA production at each plant site used to furnish material to the project. Sampling shall be conducted by a certified technician or by plant personnel under the direct observation of a certified technician. All testing, data analysis and data posting will be performed by the CAT-I or by an assistant under the direct supervision of the CAT-I. The Contractor shall have a Certified Asphalt Technician-II (CAT-II) available to make any necessary process adjustments. Technician certification shall be in accordance with MDOT SOP TMD-22-10-00-000, MDOT HMA Technician Certification Program. An organizational chart, including names, telephone numbers and current certification, of all those responsible for the quality control program shall be posted in the Contractor's laboratory while the asphaltic paving work is in progress.
- B. As a minimum, the Contractor's quality management program shall include the following:
  1. Mechanically Fractured Face. Determine mechanically fractured face content of aggregates retained on the No. 4 sieve, at a minimum of one test per day of production.
  2. Mixture Gradation. Conduct extraction tests for gradation determination on the mixture. Sample according to the frequency in paragraph (8) and test according to Mississippi Test

Method MT-31.

3. Total Voids and VMA. Determine total voids and voids in mineral aggregate (VMA), at N Design, from the results of bulk specific gravity tests on laboratory compacted specimens. Sample according to the sampling frequency in paragraph (8) and test according to the latest edition of MDOT's Field Manual for HMA.
4. Asphalt Content. Sample according to the sampling frequency in paragraph (8). Determine the asphalt content using one of the following procedures.
  - (A) Nuclear gauge per Mississippi Test Method MT-6
  - (B) Incinerator oven per AASHTO T 308, Method A.
5. Stripping Tests. Conduct a minimum of one stripping test at the beginning of each job-mix production and thereafter, at least once per each two weeks of production according to Mississippi Test Method MT-63 and one stripping test per day of production according to Mississippi Test Method MT-59. Should either the TSR (MT-63) or the boiling water (MT-59) stripping test fail, a new anti-strip additive or rate shall be established or other changes made immediately that will result in a mixture which conforms to the specifications; otherwise, production shall be suspended until corrections are made.
6. Density Test. For 19 mm, 12.5 mm and 9.5 mm mixtures, conduct density tests as necessary to control and maintain required compaction according to Mississippi Test Method MT -16, Method C (nuclear gauge), or AASHTO T-166. Note — The nuclear gauge may be correlated, at the Contractor's option, with the average of a minimum of five pavement sample densities. For 4.75 mm mixtures, conduct density tests as necessary to control and maintain required compaction according to AASHTO T-166. For UTAP shall be roll to refusal. Refusal is defined as the number of roller passes to maximize the in-place unit weight of the mixture. On the first day of production and every three production days thereafter, a 500-foot test strip shall be evaluated to determine the required number of roller passes. Three random sites within the test strip shall be selected and monitored with the nuclear density gauge to determine refusal.
7. Quality Control Charts. Plot the individual test data, the average of the last four tests and the control limits for the following items as a minimum:

**Mixture Gradation (Percent Passing) Sieves:**  
**1/2 —in, 3/8-in, No. 8, No. 16, No. 30 and No. 200**  
**Asphalt Content, Percent**  
**Maximum Specific Gravity, Gmm**  
**Total Voids @ NDesign, Percent**  
**VMA @ N Design, Percent**

**NOTE:** For 4.75 mm mixtures, Quality control Charts for mixture gradation are not required on the No. 8 and No. 30 sieves. For 4.75 mm mixtures, as a minimum, Quality control Charts for mixture gradation shall be kept on the 3/8-in, No. 16 and No. 200 sieves. For all mixtures other 4.75 mm, Quality Control Charts for mixture gradation are not required on the No.16 sieve.

Keep charts up-to-date. Charts may be kept on a computer; however, charts shall be printed out when requested by the Engineer, Harrison County Road Manager or the Engineer's Testing Lab. Note any process changes or adjustments on the Air Voids chart.
8. Sampling Frequency. Conduct those tests as required above at the following frequency for each mixture produced based on the estimated plant tonnage at the beginning of the day. These frequencies are for 19 mm, 12.5 mm, 9.5 mm, and 4.75 mm.

Total Estimated Production, tons	Number of Tests
----------------------------------	-----------------

<b>50 - 800</b>	<b>1</b>
<b>801 - 1700</b>	<b>2</b>
<b>1701- 2700</b>	<b>3</b>
<b>2701 +</b>	<b>4</b>

**Sampling Frequency for UTAP**

<b>Total Estimated Production, tons</b>	<b>Number of Tests</b>
<b>0 - 500</b>	<b>1</b>
<b>501 - 1000</b>	<b>2</b>
<b>1001 - 1500</b>	<b>3</b>
<b>1501 - 2000</b>	<b>4</b>
<b>2001 +</b>	<b>5</b>

Additional information can be found in the Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition. Section 401 — Hot Mix Asphalt (HMA) — General, Section 403 — Hot Mix Asphalt Pavement, Section 407 — Tack Coat, Special Provision No. 907-411-1 — Ultra —Thin Asphalt Pavement (UTAP), Section 700 — Materials and Tests, Section 702 — Bituminous Materials, Section 703 — Aggregates.

The Harrison County Road Manager shall witness and review the Contractor's lab technician's paper work and testing procedures for Quality Assurance.

## **SECTION VII**

**SC-1 HOT BITUMINOUS PLANT MIXES PICK UP AT PLANT for a period beginning July 7, 2020 and ending June 30, 2021 and/or until a new contract is accepted.**

- 1) Hot Bituminous pavement mixes, SC-1, shall be mixed in accordance with Section 901-S-401, Section UTAP 411, MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION, 2004 or current edition as follows.**
  - A. Plant mix pavements General Section 401
  - B. ST 19 mm Base Course Section 401
  - C. ST 12.5 mm Binder Course Section 401
  - D. ST 9.5 mm Surface Course Section 401
  - E. ST 4.75 mm Surface Course Section 401
  - F. Ultra-Thin Asphalt Pavement (UTAP) Section 411
  - G. Tack coat Section 407
- 2) Tack Coat – Emulsified asphalt shall meet Section S-707.07, Conference requirements of Section 702, State Aid Standard Specifications, 2004 edition.**
- 3) Hot Bituminous Pavement – Conform to Special Provision 901-S-402-2, State Aid Standard Specifications, 2004 edition except that the Petroleum Asphalt Cement used in all mixtures shall be Grade PG 67-22 or equal.**
- 4) All hot bituminous mixtures shall conform to the requirements set out in subsection S-703.06, State Aid Standard Specifications, 2004 edition for a SC-1 mix using tables found in Special Provision 901-S-401.**



- 5) Hot Bituminous pavement mixes, SC-1, shall be mixed in accordance with Section 901-S-401.2, a MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION, 2004 or current edition.
- 6) Approved supplier shall submit a design mix for testing prior to the beginning of any work or as instructed by the County's Road Manager, County Engineer or their designated representative. Approved supplier shall be responsible for all costs associated with the testing of the asphalt mix and to provide Harrison County with a copy of the test report.
- 7) Harrison County reserves the right not to make payment for asphalt until said test reports have been provided and results verify the material meets specifications.

### **SPECIFICATIONS & INSTRUCTIONS: (continued)**

1. The Contract Term will be from July 7, 2020 – June 30, 2021, and will include delivery to all locations as specified.
2. **All deliveries/drops and information shall be supplied to the Harrison County Assistant Receiving Clerk at the location of delivery or the Harrison County Purchasing Department.**
3. Pricing, all prices offered shall include cost for the delivery to the designated locations listed above.

### **GENERAL:**

1. It is understood and agreed that the prices proposed shall be the unit prices payable to the bidder.
2. All bidders are required to comply with existing state laws relative to sales to counties.
3. The County reserves the right to cancel contract to purchase at any time for justifiable cause. Further, contract to purchase may be cancelled for cause by either party upon thirty (30) days written notice.
4. The county reserves the right to request an extension of this contract for a second straight term of one (1) year, commencing on July 1, 2021 with all prices remaining constant. Said extension to be authorized by the Board of Supervisors and notification to be provided in writing sixty (60) days prior to the expiration date of existing contract.

### **NOTICE TO BIDDERS:**

5. NO BIDS SHALL BE SUBMITTED ON THIS FORM AND ALL SPECIFICATION RESPONSES MUST BE SUBMITTED AS STATED IN ITEMS #8 AND #9 ON PAGE (3) THREE.

- **All Sealed “Un-Priced Qualification Specifications”** must be on file with the Clerk of the Board prior to or by the acceptance date and time as stated above. All Sealed Un-priced Bid Specifications and Procedures must be sealed and clearly marked on the outside of the envelope as indicated TERM BID FOR PERIOD JULY 7, 2020 THROUGH JUNE 30, 2021 FOR THE FOLLOWING BID GROUP 10-7A Asphalt – Hot Plant Mix Pick-Up and In-Place any Location BID #T10-3-4-7A-2020-2021. “Sealed Un-Priced Qualification Specifications” envelopes not so marked are submitted at the risk of the prospective Bidder and the County assumes no responsibility for the premature opening of same by any County employee. All Sealed “Un-Priced Qualification Specifications” sent through the U.S. Mail are done so at the risk of the Prospective bidder and should be addressed to the Harrison County Board of Supervisors, in care of the Chancery Clerks Office, Post Office Drawer CC, Gulfport, Mississippi, 39502. The County is NOT responsible for Un-Priced Specifications and Procedures that arrive in the mail after the designated opening time. Un-Priced Qualification Specifications may be delivered in person to the Harrison County Chancery Clerk’s Office in the First Judicial District Courthouse located at 1801 23<sup>rd</sup> Ave, Gulfport, Mississippi until 5:00 p.m., on Tuesday, June 2, 2020 or the Board of Supervisor’s Conference room at the First Judicial District Courthouse in Gulfport, Mississippi on Wednesday, June 3 2020 by the accepting time as listed on page 2, item No. 6 “BID CALENDAR”. Any responses with pricing or received after the time specified will be rejected and not permitted to bid on the project. **DO NOT SUBMIT BID PRICING WITH YOUR SPECIFICATION RESPONSE PACKAGE.**
- **All Electronic “Un-Priced Qualification Specifications”** may be scanned and submitted electronically at [www.centralbidding.com](http://www.centralbidding.com) no later than Wednesday, June 3, 2020 **BEFORE** the accepting time as listed on page 2, item No. 6 “BID CALENDAR”. For any questions relating to the electronic submittals, registration, bidding process, and anti-sniping please call Central Bidding at 225-810-4814. Any responses with pricing or received after the time specified will be rejected and not permitted to bid on the project. **DO NOT SUBMIT BID PRICING WITH YOUR SPECIFICATION RESPONSE PACKAGE.**

6. Bids will only be accepted by bidding in this Electronic Reverse Auction Bidding Event that has a date and time of:

**Asphalt – Hot Plant Mix Pick-Up:** **BID DATE and TIME: Tuesday, June 30, 2020, 8:30AM**

**Asphalt – In-Place any Location:** **BID DATE and TIME: Wednesday, July 1, 2020, 8:30AM**

Bids will only be accepted in an Electronic Bid Process hosted by Central Bidding and the Supplier must register at [www.centralbidding.com](http://www.centralbidding.com) to participate in this Electronic Reverse Auction Bidding Process. For any questions relating to the electronic submittals, registration, bidding process, and anti-sniping, please call Central Bidding at 225-810-4814.

## COMPLETE THIS SECTION IN LEGIBLE DETAIL

I CERTIFY THE PRODUCTS AND DELIVERY SERVICES BEING OFFERED MEET OR EXCEED THE FOREGOING SPECIFICATIONS.

DATE: \_\_\_\_\_

VENDOR: \_\_\_\_\_

SIGNED BY: \_\_\_\_\_

PRINTED NAME AND TITLE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

EMAIL: \_\_\_\_\_